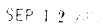
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### Figure 1A

| 1   | agagagoayotooottooocooqgogaggaggaaggaagaaaagocagagagagagaga    | 1.          |
|-----|--|-------------|
| 51  | agagateategeagetteteeteetgaeeatttgaetgegaetgtgattaeaaeaeegt    |             |
|     | tgatoctacgaaaaagaggtaatygatactggcggcaattcggctggcgtccggacctgat  |             |
|     | M D T G G N S L A S G P D                                      | 13 ;        |
| 181 | ggtgtgaagaggaaagtttgttatttdtatgaccetgaggteggeaattactactatgge   |             |
|     | G V K R K V C Y F Y D P E V G N Y Y Y G                        | 3.3         |
| 241 | caaggtcateccatgaagceccategcateegcatgacecatgeceteetegcteactac   |             |
|     |  | 5.3         |
| 301 | ggtotoottoagcatatgcaggttotcaagcoottocotgocogcgaacgtgatototgc   |             |
|     | GLL QHMQVLKPFPARERDLC  | 73          |
| 351 | cgcttecacgccgacgactatgtctcttttctccgcagcattacccctgaaacccagcaa   |             |
|     | R F H A D D Y V S F L R S I T P B T Q Q                        | 93          |
| 421 | gateagattegedaaettaagegetteaatgttggtgaagaetgteeegtetttgaegge   |             |
|     | D Q I R Q L K R F N V G E D C P V F D G                        | 113         |
| 491 | ctttattccttttgccagacctatgctggaggatctgttggtggctctgtcaagcttaac   |             |
|     | LYSFCQTYAGGSVGGSVKLN   | 133         |
| 541 | cacggcctctgcgatattgccatcaactgggctggtgtctccatcacgctaagaagtgc    |             |
|     | H G L C D I A I N W A G G L H H A K K C                        | 153         |
| 601 | gaggeetetggettetgtt#egteaatgatategtettagetateetagageteettaag   |             |
|     | EASGFCY VNDIVLAILELLK  | 173         |
| 661 | cageatgagegtgttetttatqtegatattgatateeaecaeggggatggagtggaggag   |             |
|     | Q H E R V L Y V D I D I H H G D G V E E                        | 193         |
| 721 | gcattttatgctactgacagggt tatgactgtctcgtttcataaatttggtgattacttt  |             |
|     | A F Y A T D R V M T V S F H K F G D Y F                        | 213         |
| 781 | cocggtacaggtcacattcaggatataggttatggtagcggaaagtactattctctcaat   |             |
|     | PGTGHIQDIGYGSGKYYSLN   | 233         |
| 841 | gtaccactggatgatggaatcgatgatgagagctatcatctgttattcaagcccatcatg   |             |
|     | V P L D D G I D D E S Y H L L F K P I M                        | 253         |
| 901 | gggaaagttatggaaatttttccgaccaggggctgtgggtattgcaatgtggtgctgactcc |             |
|     | G K V M E I F R P G A V V L Q C G A D S                        | 273         |
| 961 | ctatctggggatcggttaggttgcttcaatctttcaatcaa                      | 0.00        |
|     | L S G D R L G C F N L S I K G H A E C V                        | 293         |
| 021 | aaatttatgagategtteaatgtteeeetaetgetettgggtggtggtggttaeactate   | 2.2.2       |
|     | K F M R S F N V P L L L G G G G Y T I                          | 313         |
| 081 | cgcaatgttgcccgttgctggtgctacgagactggagttgcacttggagttgaagttgaa   | 222         |
|     | RNVARCWCYETGVALGVEVE   | 333         |
| 141 | gacaagatgccggagcatgaatattatgaatactttggtccagactatacacttcacgtt   | 253         |
|     | DKMPEHEYYEYFGPDYTLHV   | 353         |
| 101 | gctucaagtaacatggaaaataagaattctcgtcaqatgcttgaagagattcgcaatgac   | 3 77 3      |
|     | APSNMENKNSRQMLEĖIRND   | 373         |
| 261 | cttctccacaatctctctaagcttcagcatgctccaagtgtaccatttcaggaaagacca   | 202         |
|     | LLHNLSKLQHAPSVPFQERP   | 393         |
| 321 | detgatacagagaeteeegaggttgatgaagaeeaagaagatggggataaaagatgggat   | 417         |
|     | PDTETPEVDEDQEDGDKRWD   | 413         |
| 381 | coggattcagacatggatgttgatgatgaccgtaaacctataccaagcagagtaaaaaaga  | 177         |
|     | PDSDMDVDDDRKPIPSRVKR   | 433         |
| 441 | gaagetgttgaaccagatacaaaggacaaggatggactgaaaggaattatggagcgtgga   | 45.0        |
|     | EAVEPDTKDKDGLKGIMERG   | 453         |
| 501 | aaaggttgtgaggtggaggtggatgagagtggaagcactaaggttacaggagtaaaccca   | 450.0       |
|     | K G C E V E V D E S G S T K V T G V N P                        | 473         |
| 561 | gtgggagtggaggaagcaagtgtgaaaatggaagaggaagaacaaaca               | 400         |
|     | V G V E E A S V K M E E E G T N K G G A                        | 493         |
| 621 | gageaggegttteeteetaaaacataagaeteggagettetaatttettgefacttttte   | 50 <b>0</b> |
|     | E C A F P P K T *  | 502         |
|     | tgtdtatcaaatgttgdtagttaagtttdtgqqqttgttgttgttgttaagcadtdototg  |             |
|     | tthtagaggattgagdadggatatgtatttattogttgdatgtdtgaatgatgatatgat   |             |
| 801 | atgacaa  |             |



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### Figure 1B

|       | gtgcccacaactcctagtaatgactttctcaggcattgttgacacaaattttgctctgag  |             |
|-------|---|-------------|
|       | taaaacttgggaatagagagactctgagtgagagagagattctgagtgag  |             |
| 121   | atggaggcagacgaaagcggcatctctctctgccgtcgggacccgacggacg  |             |
|       | MEADESGISLPSGPDGRKRE  | 20          |
| 131   | gtcagttacttctacgagccgacgatcggagactactactacggtcaaggccacccgatg  |             |
|       | V S Y F Y E P T I G D Y Y Y G Q G H P M   | 40          |
| 241   | aagcotcaccggatccgtatggctcatagcctaatcattacacctccaccgtcgc   | 60          |
|       | K P H R I R M A H S L I I H Y H L H R R   | 60          |
| 301   | ttagaaateagtegeectageetegetgaegeeteegatateggeegatteeattegeeg  | 80          |
| 261   |   | οV          |
| 361   | gagtatgttgacttcctcgcttccgtttcgccggaatctatgggcgatccttccgctgca<br>E Y V D F L A S V S P E S M G D P S A A | 100         |
| 401   | EYVDFLASVSPESMGDPSAA cgaaacctaaggcgattcaatgtcggtgaggattgtcctgtcttcgacggactttttgat                       | 100         |
| 421   | R N L R R F N V G E D C P V F D G L F D   | 120         |
| 421   | ttttgccgtgcttccgccggaggttctattggtgctgccgtcaaattaaacagacag   | 110         |
| 401   | F C R A S A G G S I G A A V K L N R Q D   | 140         |
| 541   | getgatategetateaattggggeggtgggetteaceatgetaagaaaagegaggettet  |             |
| J 4 1 | A D I A I N W G G G L H H A K K S E A S   | 160         |
| 601   | gggttttgctatgtaaacgacatcgtgctagggattctggagttgctcaagatgtttaag  |             |
| -     | G F C Y V N D I V L G I L E L L K M F K   | 180         |
| 661   | cgggttctctacatagatattgatgtccaccatggagatggagtggaagaagcgttttac  |             |
|       | R V L Y I D I D V H H G D G V E E A F Y   | 200         |
| 721   | accactgatagagttatgactgtttctttccacaaatttggggacttttttcccaggaact   |             |
|       | TTDRVMTVSFHKFGDFFPGT  | 220         |
| 781   | ggtcacataagagatgttggcgctgaaaaagggaaatactatgctctaaatgttccacta  |             |
|       | G H I R D V G A E K G K Y Y A L N V P L   | 240         |
| 841   | aacgatggtatggacgatgaaagtttccgcagcttgtttagacctcttatccagaaggtt  | 260         |
|       | N D G M D D E S F R S L F R P L I Q K V   | 260         |
| 901   | atggaagtgtatcagccagaggcagttgttcttcagtggtgctgactccttaagtggt  | 280         |
| 0.1   | MEVYQPEAVVLQCGADSLSG  | 200         |
| 961   | gateggttgggttgetteaacttateagteaagggteaegetgattgeetteggttetta DRLGCFNLSVKGHADCLRFL                       | 300         |
| 1001  | DRLGCFNLSVKGHADCLKFL agatettaeaacgtteeteatggtgttgggtggtgaagggtataetattegaaatgtt                         | <b>3</b> 03 |
| 1,021 | R S Y N V P L M V L G G E G Y T I R N V   | 320         |
| 1081  | gcccgttgctggtgttatgagactgcagttgctgttggagtagagccggacaacaaactc  |             |
| 1001  | ARCWCYETAVAVGVEPDNKL  | 340         |
| 1021  | ccttacaatgagtattttgagtatttcggcccagattatacgcttcatgtcgacccaagt  |             |
|       | PYNEYFEYFGPDYTLHVDPS  | 360         |
| 1201  | cctatggagaatttaaacacgcccaaagatatggagaggataaggaacacgttgctggaa  |             |
|       | PMENLNTPKDMERIRNTLLE  | 380         |
| 1261  | caactttcgggactaatacacgcacctagcgtccagtttcagcacaccaccaccagtcaat   |             |
|       | Q L S G L I H A P S V Q F Q H T P P V N   | 400         |
| 1321  | cgagttttggacgagccggaagatgacatggagacaagaccaaaacctcgcatctggagt  |             |
|       | RVLDEPEDDMETRPKPRIWS  | 420         |
| 1381  | ggaactgcgacttatgaatcagacagtgacgatgatgataaacctcttcatggttactca  | 1.1.5       |
|       | G T A T Y E S D S D D D D K P L H G Y S   | 440         |
| 1441  | tgtcgtggtggcgcaactacggacagggactctaccggtgaagatgaaatggatgacgat C R G G A T T D R D S T G E D E M D D D    | 460         |
| 1501  | aacccagagccagacgtgaatcctccatcgtcttaaaccagcttgatggttttggtgtctc   | 450         |
| TOCT  | N PEPD V N PPSS*  | 471         |
| 1551  | ttttggcatatgataatgtcggcagatttaagaaacaagttaggggaatgaat   |             |
|       | tgatgttttttcagcaaccttttgagttstgtgaaaacgctgcattgattagaacagtga  |             |
|       | caactgactagtattttggcccaagttagaasatcagaatatgtgsaaaaaaaaaa  |             |
|       | aaaaaaaagggcggcccctaagaggatccaagcttacgtacg  |             |
| • •   |   |             |

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# Figure 2A

| 1   | cac  | acat   | taa  | gta  | aaaa | atc | ata | tat  | ttt      | tct  | caa  | .cct | tga  | t t c    | tta | gcc | atg | gag  | tta: | tgg |     |
|-----|--|--------|------|------|------|-----|-----|------|----------|------|------|------|------|----------|-----|-----|-----|------|------|-----|-----|
| -   |  | 9 3    |      | ,    |      |     |     |      |          |      |      |      |      |          |     |     | M   | Ε    | F    | W   | 4   |
| 61  | gga  | atte   | gaac | att  | aaa  | tca | gga | aag  | cca      | gtt  | aca  | gtg  | act  | CCT      | gaa | gaa | ggc | att  | ctta | DJE |     |
| 0.1 | G  | <br>I  | E    | ั้ง  | K    | S   | G   | ĸ    | P        | IJ   | T    | V    | T    | 5        | Ε   | Ξ   | G   | I    | L    | I   | 24  |
| 121 | cac  | ant:   | tat: | cad  | aca  | tag | ctt | qqa  | gaa      | tgt  | aaa  | aac  | aag  | aag      | gga | gag | ttt | gtg  | cat. | tta |     |
|     | H  | V      | S    | o    | A    | s   | L   | G    | Ε        | С    | K    | N    | K    | K        | G   | Ε   | F   | V    | Р    | L   | 44  |
| 181 | cat  | ota.   | aaqı | att. | agg  | aac | cag | aac  | ttg      | gtt  | ctg  | rgga | act  | cta      | tcg | act | gag | aac. | atc  | cct |     |
| 101 | Н  | 3<br>V | K    | v    | Ğ    | N   | Q   | N    | L        | V    | L    | G    | T    | L        | S   | Ţ.  | E   | N    | I    | 5   | 64  |
| 241 | cag  | ctt    | ttc  | tgt  | gat  | ttg | gta | ttc  | gac      | aag  | gag  | ttt  | gag  | ctt      | tat | cac | act | tgg  | gga  | aaa |     |
|     | Ö  | L      | F    | C    | D    | L   | V   | F    | D        | K    | Ε    | F    | Ξ    | L        | S   | Н   | 1.  | W    | G    | ĸ   | 84  |
| 301 | Q L F C D L V F D K E F E L S H T W G K ggaagtgtttactttgttggatacaaaactcccaacattgagccacaaggctattctgag             |        |      |      |      |     |     |      |          |      |      |      |      |          |     |     |     |      |      |     |     |
|     | G  | S      | V    | Y    | F    | V   | G   | Y    | K        | T    | P    | N    | I    | Ε        | ₽   | Q   | G   | Y    | S    | E   | 104 |
| 361 | gaaqaaqaggaagaagaagattcctgctgggaatgctgccaaggctgtagctaaa  |        |      |      |      |     |     |      |          |      |      |      |      |          |     |     |     |      |      |     |     |
|     | Ε  | E      | Ε    | Ξ    | E    | Ξ   | Ε   | Ε    | IJ       | Ρ    | A    | G    | N    | Α        | А   | K   | A   | V    | Α    | K   | 124 |
| 421 | сса  | aag    | gct  | aag  | cct  | gca | gaa | gtg  | aag      | rcca | gct  | gtt  | gat  | gat      | gaa | gag | gat | gag  | tct  | gat |     |
|     | P  | K      | Α    | K    | P    | A   | E   | V    | K        | Ρ    | Α    | V    | D    | D        | E   | _E_ | D_  | _==_ | _S   |     | 144 |
| 481 | tat  | gac    | gga  | atq  | gat  | gaa | gat | gat  | tct      | gat  | ggt  | gag  | gat  | tct      | gag | gaa | gaa | gag  | cct  | aca |     |
|     | S  | D      | G    | Μ    | D    | Ξ   | D   | D    | S        | D    | G    | E    | D_   | <u>S</u> | E_  | E_  | ==  | _=   | 'n   | 1.  | 164 |
| 541 | cct  | aad    | aad  | cct  | qca  | tca | ago | aag  | aag      | gaga | gct  | aat  | gaa  | act      | acc | CCT | aaa | gca  | cct  | gtg |     |
|     | P  | K      | K    | ₽    | Α    | S   | S   | K    | K        | R    | A    | N    | E    | T        | J.  | P   | ĸ   | A    | ٦    | V   | 184 |
| 601 | tca  | gca    | aag  | aag  | gcg  | aaa | gta | gca  | gtt      | act  | cct  | cag  | gaaa | laca     | gat | gag | aag | aag  | aaa  | ggg |     |
|     | S  | Α      | K    | K    | Δ    | K   | V   | A    | $\nabla$ | T    | P    | Q    | K    | T        | D   | Ξ   | K   | K.   | K    | G   | 204 |
| 661 | SAKKAKVAVTPQKTDEKKKG 20<br>ggaaaggetgeaaaceagageeeaagteggeeagteaagteteatgtggtteatgeaag<br>GKAANQSPKSASQVSCGSCK22 |        |      |      |      |     |     |      |          |      |      |      | 224  |          |     |     |     |      |      |     |     |
|     | G  | K      | A    | Α    | N    | Q   | S   | P    | K        | S    | A    | S    | Q    | V        | S   | C   | G   | S    | C.   | К   | 224 |
| 721 | aag  | act    | ttc  | aac  | tca  | ggg | aat | .gca | ctt      | gaç  | jtct | ca   | caac | aag      | gcc | aac | cac | gct  | gct  | gcc | 244 |
|     | K  | T      | F    | N    | S    | G   | N   | A    | L        | E    | S    | Н    | N    | F.       | A   | K   | Н   | A    | . A  | A.  | 244 |
| 781 | aag  | tga    | agt  | ggt  | tto  | tta | tta | gaç  | jett     | gtg  | jatt | tet  | catg | ggaa     | ttt | tgc | ctg | tag  | tct  | tta | 245 |
|     | K  | *      |      |      |      |     |     |      |          |      |      |      |      |          |     |     |     |      |      |     | 245 |
| 841 | tgaaaccttcggattttcttatattttctttttgataacaagagtcttaatgaaagagagc  |        |      |      |      |     |     |      |          |      |      |      |      |          |     |     |     |      |      |     |     |
|     | cagttggagtcttaaaaaaaaaaaaaaagggcggccgc   |        |      |      |      |     |     |      |          |      |      |      |      |          |     |     |     |      |      |     |     |

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# Figure 2B

| 1       | l gtotttogottotaaaaaaaaacotaacaacotototototototocotogitoaacaa                    | aca              |
|---------|--|------------------|
| 61      | Latggagttotggggagttgoggtgacaccaaaaaacgotactaaggtgactoctgaag                      | ;aa              |
| -       | MEFWGVAVTPKNATKVTPE  | E 20             |
| 121     | l gacageettgteeacattteteaggetteacttgaetgeacagtgaaatetggagaat                     | ict              |
|         | D S L V H I S Q A S L D C T V K S G E  | S 40             |
| 181     | l gtggttttgagtgtgactgttggtggggctaaacttgttattggaacactttcacaa                      | agac             |
|         | VVLSVTVGGAKLVIGTLSQ  | D 60             |
| 241     | l aagttoootoagattagotttgatttggtttttgataaagagtttgagotttcacaca                     | agc              |
|         | K F P Q I S F <b>D</b> L V F D K E F E L S H                                     | S 80             |
| 301     | l ggtaccaaagcaaatgttcatttcattggctacaaatcccccaacatcgagcaggat                      | gac              |
|         | G T K A N V H F I G Y K S P N I E Q D  | D 100            |
| 361     | l treactagtreggargargargricergaagergricergerectgecectacte                        | gct              |
|         | F T S S D D E D V P E A V P A P A P T  | A 120            |
| 421     | gttactgccaacggaaatgctggagcagctgttgtcaaggctgacacaaagccaaag                        | gcc              |
|         | V T A N G N A G A A V V K A D T K P K  | A 140            |
| 481     |  | tet              |
|         | K P A E V K P A E E K P E S <u>D E E D E</u>                                     | <del></del>      |
| 541     |  | tgaa<br>100      |
|         | D D E D E S E E D D D S E K G M D V D  | <u>E</u> 180     |
| 601     | gatgactcagatgatgacgaggaggaggattctgaggatgaagaagaggaggagact                        | P 200            |
|         | D D S D D D E E E D S E D E E E E T  |                  |
| 661     | l aagaageetgageeaateaaeaagaagaggeeaaatgaatetgtateeaaaaeaeee                      | yee<br>  V   220 |
|         | K K b F b t M V V V t M F 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0                  |                  |
| 721     | l totggaaagaaggcaaaaccagcagcagcaccagcttotactootcagaagacagag                      | дау<br>К 240     |
|         | SGKKAKEAAAAA   |                  |
| 781     | 1 aagaaaggaggacacaccgccacaccaaccagctaagaagggtggaaagtctcct<br>KKCCHTATPHPAKKGGKSP | y 260<br>V 260   |
|         | K K G G H I A I I H I H I H I H I H I H I H I H                                  |                  |
| 941     | 1 aatgctaaccagagcccaagtetggaggtcaatcatccggtggtaacaacaag<br>NANOSPKSGGOSSGGNNNK   | и.<br>К 290      |
|         | NANUSERSU  |                  |
| 901     | 1 ccattcaactcaggcaaacaatttggtggttccaacaacaagggttctaacaagggc                      | э<br>к 300       |
|         |  |                  |
| 961     | l ggaaagggtagagcttaaggacgtggatcaaggagaggtttttgggttttcgagtaga                     | 305              |
| 001     | G K G R A *  1 tgaaaacacttggaagtgtggttttggatttttatcttatttat                      | tta              |
| . U.J.L | 1 teggatgagetattttgagtattttgeaatttetaettteetatgtaatteagtatat                     | gaa              |
| - 4 -   | T toggatgagotattttgagtatttgdaatttedde 19000000000000000000000000000000000000     | aaa              |
|         |  |                  |
| 201     | l aagggeggeege   |                  |

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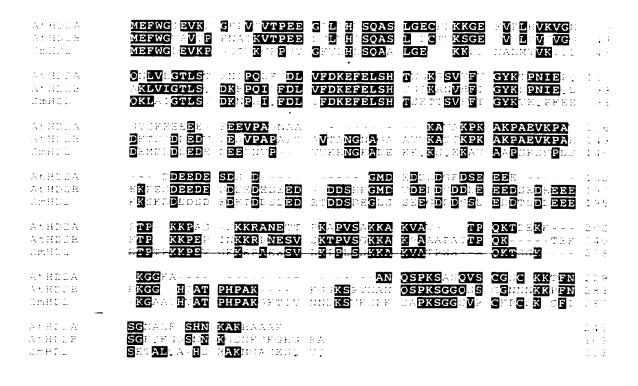
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## Figure 3

| ATRECTA                               | MD T <mark>GG</mark>                                 | NSLASVGPDG  | KREVCYFYD                                  | PEVGNYYYGO                             | GHPMKPHRIR                              | 4 (F) |
|---------------------------------------|--|---|--|--|---|---|
| ATRECTE                               | MEADEE <b>G</b> I                                    | SLPS-GPDG   | KREVEYFYE                                  | PTIGDYYYGO                             | GHPMKPHRIR                              |   |
| CHRPLE                                | MDPCHASS <mark>GG</mark>                             | NSLPSVGPDG  | KREVCYFYD                                  | PDVGNYYYGO                             | GHPMKPHRIR                              |   |
| PROS                                  | MVYEATPFD -  | PITWKPS   | DKREVAYFYD                                 | ADVGNYAYGA                             | GHPMKPHRIR                              |   |
| Athrona                               | MTHALLAHYG   | LLTHMOVLFP  | FPARERDLCR                                 | FHADEY CFL                             | RSITPETOOD                              | 95  |
| Athrida                               | MAHSLI THYH  | LHRRLEISRP  | SDADASDIGR                                 | FHSPEY OFL                             | ASVEPESMED                              | 97  |
| Omerci                                | MTHSLLAFYG   | LLNUMOVYRP  | NPARERELCR                                 | FHAEEYIMFL                             | RSVTPETOOD                              | 173                                       |
| RPC:                                  | MAHSLIMNYG   | LYKKMEIYR   | FPARKIEMCK                                 | FHMDEYIDFL                             | SPVTPDNLEM                              | 96  |
| A1880%A                               | OIROLKRF   | NVGEDCPVFD  | GLYSFCOTYA                                 | GGSVGGSVKL                             | nhglcdiain                              | 143                                       |
| A1880%B                               | PSAARNLRRF   | NVGEDCPVFD  | GLYDFCFASA                                 | GGSIGAAVKL                             | Nrodadiain                              | 147                                       |
| 2m880%                                | OIRLLKRF   | NVGEECPVLD  | GLYSFCOTYA                                 | GASVGGAVKF                             | Nhgh-diain                              | 148                                       |
| 880%                                  | FKRESVKF   | NVGEDCPVFD  | GLYEYCSISG                                 | GGSMEGAARL                             | Nrgkcdvavn                              | 144                                       |
| AEPPDSA                               | WAGGLHHAKK   | CEASGFCYVN  | DIVLAILELL                                 | KCHERVLYVD                             | IDIHHGDGVE                              | 193                                       |
| AERPOSB                               | WIGGLHHAKK   | SEASGFCYVN  | DIVLGILELL                                 | KMEERVLYVD                             | IDVHHGDGVE                              | 197                                       |
| IMPPES                                | WIGGLHHAKK   | CEASGFCYVN  | DIVLAILELL                                 | KHHORVLYVD                             | IDVHHGDGVE                              | 198                                       |
| RPDS                                  | WAGGLHHAKK   | SEASGFCYLN  | DIVLGI ELL                                 | RYHORVLYVD                             | IDVHHGDGVE                              | 194                                       |
| A19123A                               | EAFYMTDRVM   | TVSFHKFGDY  | FPGTGHIADI                                 | GYGSGKYYSL                             | NVPLDDGIDD                              | 0 + 7                                     |
| A1923B                                | EAFYTTDRVM   | TVSFHKFGDF  | FPGTGHIRD                                  | GAEKGKYYAL                             | NVPLMDGMDD                              | 0 + 7                                     |
| Cm922                                 | EAFYTTDRVM   | TVSFHKFGDY  | FPGTGDIRDI                                 | GHSKGKYYSL                             | NVPLDDGIDD                              | 0 + 4                                     |
| RPD3                                  | EAFYTTDRVM   | TCSFHKYGEF  | FPGTGELRDI                                 | GYGAGKNYAV                             | NVPLEDGIDD                              | 2 + 4                                     |
| AtRPD3A                               | ESYHLLFKPI   | MGKVMEIFRP  | GAVVLQCGAD                                 | SLSGDRLGCF                             | NLSIKGHAEC                              | 293                                       |
| AtRPD3B                               | ESFRSLFRPL   | IOKVMEVYOP  | EAVVLQCGAD                                 | SLSGDRLGCF                             | NLSIKGHAEC                              | 297                                       |
| DmEPD3                                | ESYOSLFKPI   | MGKVMEVFRP  | GAVVLQCGAD                                 | SLSGDRLGCF                             | NLSIKGHAEC                              | 298                                       |
| FPD3                                  | ATYRSVFEPV   | IKKIMEWYOP  | SAVVLQCGED                                 | SLSGDRLGCF                             | NLSMEGHANC                              | 294                                       |
| Atrpoia<br>Atrouds<br>Omfroi<br>RPD3  | VKEMRSENVE<br>LREIRSENVE<br>VRYMRSENVE<br>VNYVKSEGIP | LLLLGGGGYT<br>LMVLGG <mark>E</mark> GYT<br>LLLLGGGGYT<br>MMV <mark>G</mark> GGGYT | IRNVARCWCY IRNVARCWCY IRNVARCWCY MRNVARTWC | ET∴VAVGVEP                             | DNKLPYNEYF<br>EDKMP <mark>V</mark> NEYY |   |
| AtRPD3A<br>AtRPD3B<br>OmRPD3<br>EPD3  | EYFGPDYTLH<br>EYFGPDYTLH<br>EYFGPDYTLH<br>EYTGPDYFLS | VAPSNMENKN<br>VIPSNMENKN<br>VAPSNMENKN<br>VRPSNMENVN                              | TPKOM <b>ERIRN</b><br>TROCLDEIRS           | TLLHNLSGLI                             |   | 397                                       |
| Atrpoda<br>Atrpode<br>Omrpod<br>apod  | PPDTETPEVD<br>PPVNRVLD<br>TPDTEIPEOD<br>P            | EDÇEDFDERH  | EPEDDME<br>DPDSDMEVDD<br>DAEDLGDVES        | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT | SILGIKIKRE                              | 421<br>444<br>408                         |
| AERRI (A<br>Ataphaa<br>hmaria<br>arra | AVEPDOMESE<br>DATMESESDE<br>FGENATIPY(D              | MARKET DE LE LA COMPANIA DE LA DEL  |  |  | HPYGVEEAS-<br>ESTGEDEMED<br>SAMAIDEPSN  |   |
| ACRPDÍA<br>ACRPDÍB<br>Omffoli<br>FPO: | DNPEPEVNP -<br>VKMEPESSTK                            | GOADOAFDE<br>   | ₽  |  |   | 500<br>471<br>514<br>400                  |



### Figure 4

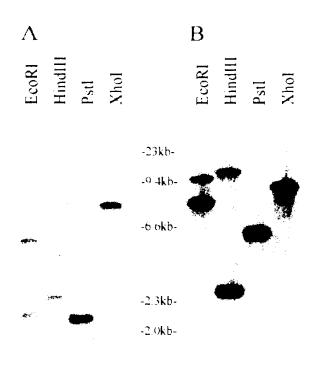




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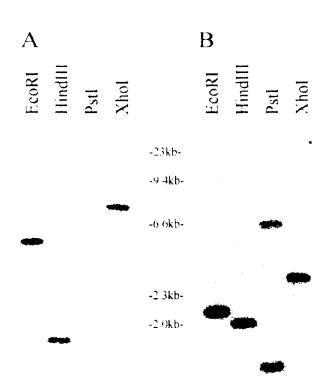
TECH CENTER 1600/2900

### FIGURE 5





### FIGURE 6





SEP 1 2 2002

TECH CENTER 1600/2900

#### FIGURE 7

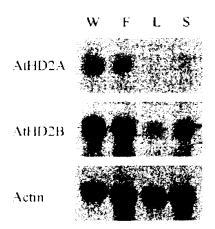
AtRPD3A
Actin



SEP 1 2 200%

TECH CENTER 1600/2900

### FIGURE 8

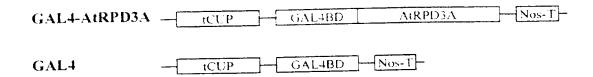




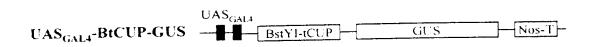
#### FIGURE 9

### $\mathbf{A}$

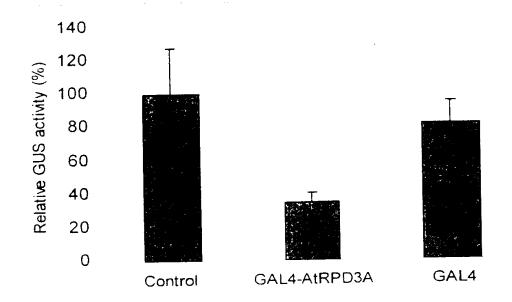
#### **Effector Plasmids**

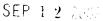


### Reporter Plasmid



### $\mathbf{B}$



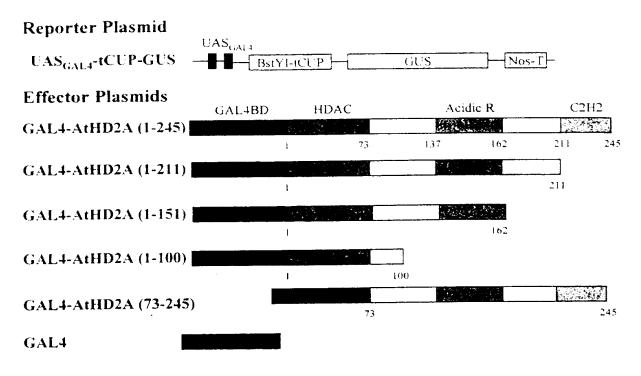




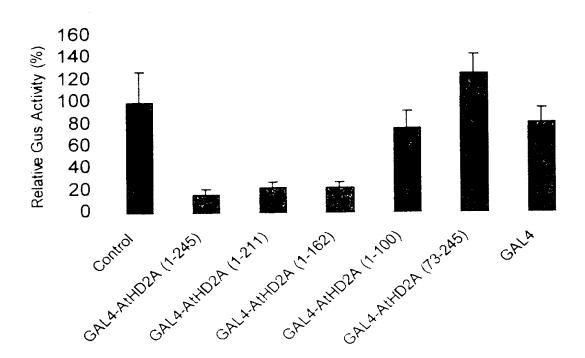


#### A

#### FIGURE 10



B



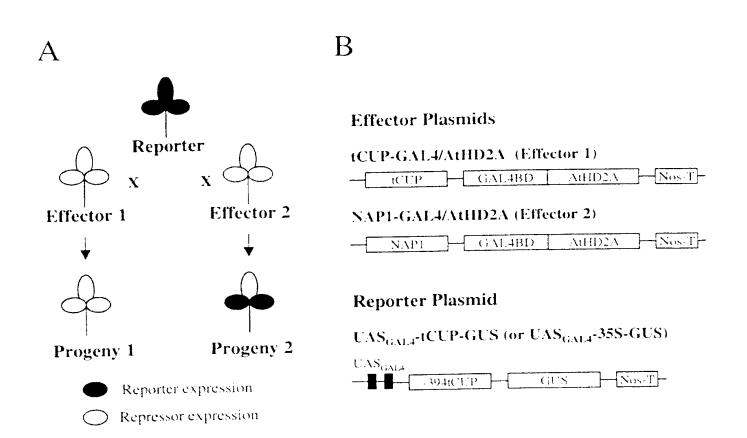


Figure 17

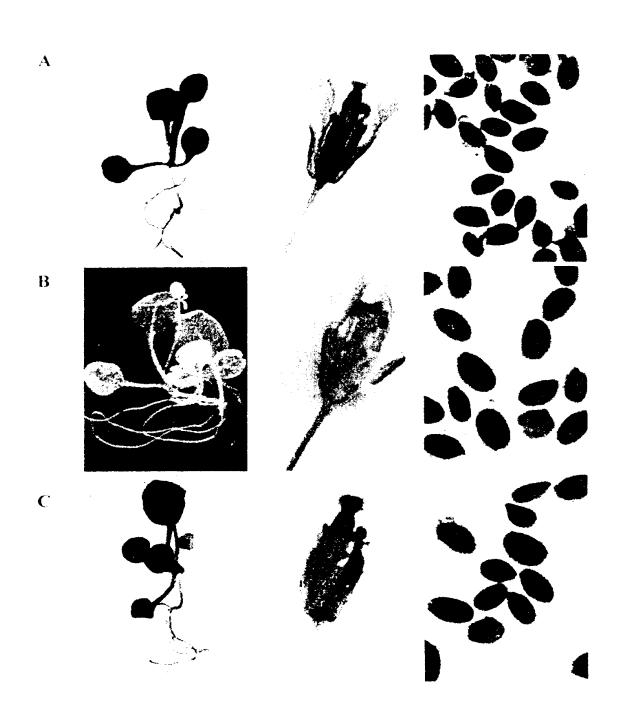


Figure 18



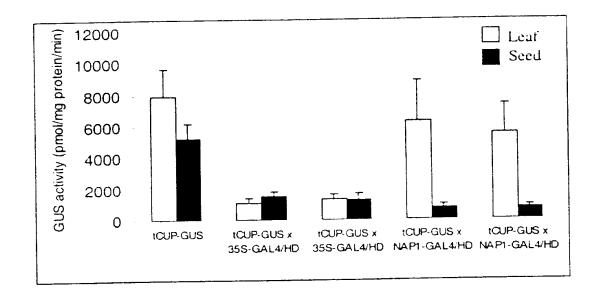


Figure 19(a)

Tissue Florogenic Transient Expression Assay of Leaves

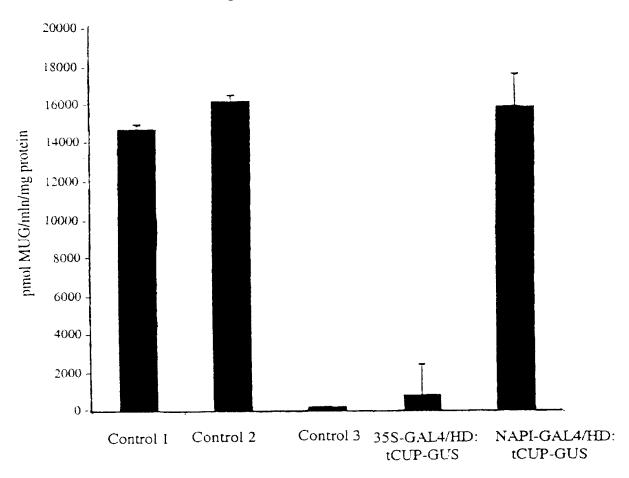


Figure 19(b)



Tissue Florogenic Transient Expression Assay of Seeds

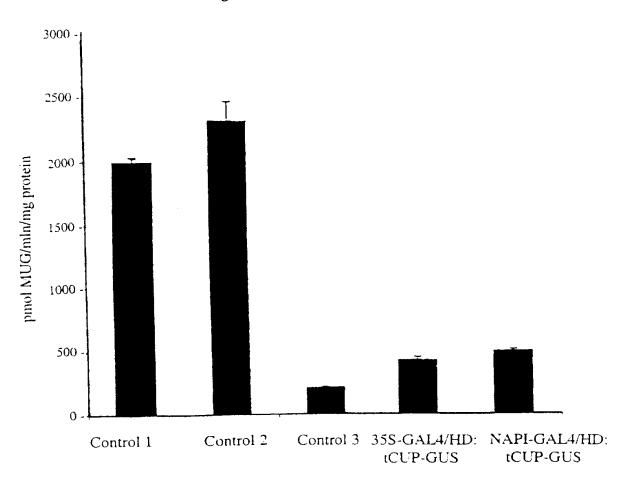
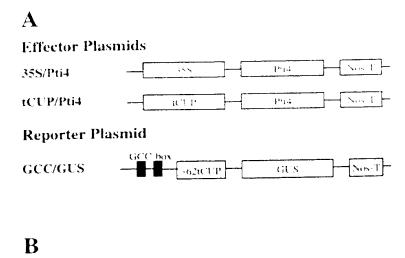


Figure 19(c)





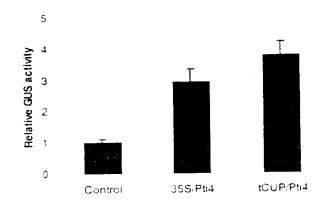


Figure 20



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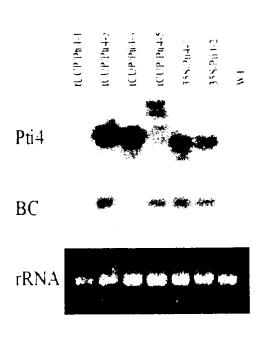


Figure 21



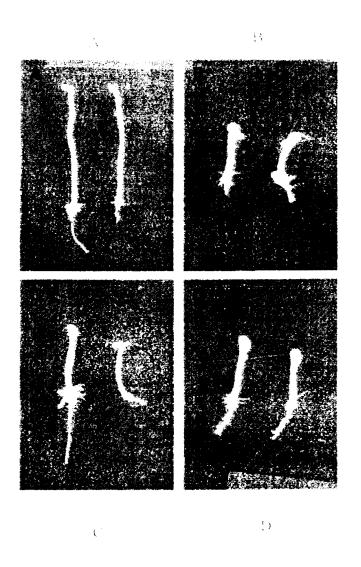


Figure 23



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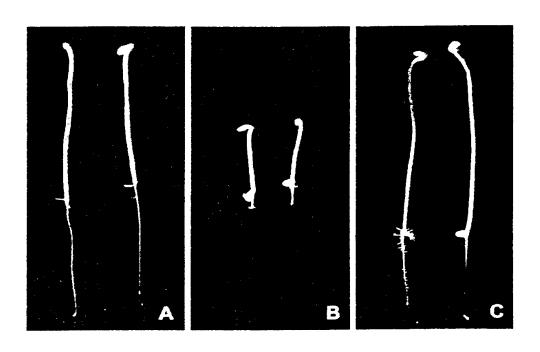


Figure 24